



CLIENT: Department of Defense (DoD) - Pentagon
 PROJECT: Operation Live Well (OLW) - Joint Force Fitness (JFF)

THE CHALLENGE

As part of Operation Live Well (OLW) at the Pentagon, the Joint Force Fitness (JFF) Readiness Prediction Model (RPM) supports key analytics-based capabilities to predict which service members will be able to deploy and which will return from deployment early. In addition, the JFF RPM can be used to assess the overall level of deployability that the DoD may achieve, as well as identify the root causes of non-deployability. Emprata was responsible for the creation of a national data dashboard that provides this crucial information to the Military Services, Reserves, and National Guard.

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OUR SOLUTION AND RESULTS

Working with Booz Allen Hamilton, Emprata delivered an interactive data visualization dashboard to provide a reporting solution that drives policies, programs, and training, resulting in improved deployability, readiness, and lethality.

Emprata's efforts in support of the JFF RPM included:

- Implemented logistic regression and other machine learning models
- Cleaned, analyzed, and modeled individual data tables that were then fitted to the overall model
- Provided data imputation methodology for the Community Readiness Open Data Dashboard (CRODD), which is used for DoD modeling
- Designed and developed both a public version and a private version of the GIS-centric, interactive dashboard

